



DEPARTMENT of ENVIRONMENT and NATURAL RESOURCES
Minerals & Mining Program - Oil & Gas Section
2050 West Main, Suite #1, Rapid City, SD 57702-2493
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FORM 2
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AUG 19 2010

DEPT OF ENVIRONMENT & NATURAL
RESOURCES - RAPID CITY

APPLICATION FOR PERMIT TO DRILL

Type of work:

☒ Drill New Well ☐ Re-enter Well ☐ Drill Directional Well

Type of well:

☒ Oil Well ☐ Gas Well ☐ Injection

☐ Other _____

Name and Address of Operator:

Continental Resources, Inc. P.O. Box 1032 Enid, OK 73702

Telephone

(580) 233-8955

Name and Address of Surface Owner:

J.J. Ranch, Inc. 1020 Christensen Dr., Spearfish, SD 57783

Name and Address of Drilling Contractor and Rig Number:

Cyclone Drilling, Inc. 5800 Mohan Road, Gillette, WY 82718-6937

Surface Location of well: Qtr-Qtr, Sec, Twp, Rge, County, feet from nearest lines of section, and latitude and longitude (if available):

SHL 660' FSL & 925' FEL, Sec. 36-22N-3E, SESE, Harding Co.; Lat: 45.8219729 Long:-103.6897743

If Directional, top of pay and bottom hole location from nearest lines of section:

TOP 8943' MD; 1122' FSL & 813' FEL, Sec. 36-22N-3E; BHL 661' FNL & 760' FEL, Sec. 25-22N-3E

Acres in Spacing (Drilling) Unit

640 Acres

Description of Spacing Unit

Red River "B"; Order # 8-2010

Well Name and Number		Elevation	Field and Pool, or Wildcat		Proposed Depth and Formation	
Quinn 44-36H		3101 GL	Buffalo		17,714' MD	
Size of Hole	Size of Casing	Weight per Foot	Depth	Cementing Program (amount, type, additives)		Depth
1) 13 1/2"	9 5/8"	36#	1440	657 Sks Premium		
2) 8 3/4"	7"	26-29#	8943	617 Sks Premium Lite & "G"		
3)						
4)						

Describe Proposed Operations (Clearly State all Pertinent Details, and Give Pertinent Dates, Including Estimated Date of Starting any Proposed Work). Use additional page(s) if appropriate.

The Quinn 44-36H is a horizontal well that will be drilled vertically to approximately the top of the Silurian Interlake formation before drilling a medium radius build section in the 90 E directions and set 7" casing a foot or so above the Red River "B" porosity zone. The well will head in the 90 E directions to TD. The estimated commencement of the location building is September 15, 2010. The estimated spud date is October 1, 2010.

I hereby certify that the foregoing as to any work or operation performed is a true and correct report of such work or operation.

Nicole Caddell
Signature

Nicole Caddell

Name (Print)

Compliance

Title

08/13/2010

Date

FOR OFFICE USE ONLY

Approved By: [Signature]

Title: Oil and Gas Supervisor

Permit No. 1982

API No. 40 063 20717

Date Issued: August 31, 2010

Conditions, if any, on attached page.